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09104733-062598

3544 U.S. PTO

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

only for new nonprovisional applications under 37 CFR § 1.53(b)

Attorney Docket No		97-ST37	
First Inventor or Application Identifier		John Adam Meyers, Carl W. Keith and Huy D. Bui	
Title	Drill Bit With Large Cutting Elements		
Express Mail Label No.	EE591286984US		

PTO  
ST/104788  
U.S. PTO  
06/25/98

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**APPLICATION ELEMENTS**  
See MPEP chapter 600 utility patent application contents

Address to: Assistant Commissioner for Patents  
Box Patent Application  
Washington DC 20231

1. ☒ Fee Transmittal form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 30]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) Total Sheets 10
4. Oath or Declaration Total Sheets 1
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR §1.63 (d)) (for continuation/divisional with Box 17 completed)
    - [Note Box 5 below]
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37CFR §§1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and hereby incorporated by reference therein.

ACCOMPANYING APPLICATION PARTS	
8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documents(s))	
9. <input type="checkbox"/> 37 CFR§3.73(b) Statement	<input checked="" type="checkbox"/> Power of Attorney (when there is an assignee)
10. <input type="checkbox"/> English Translation Document (if applicable)	
11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449	<input checked="" type="checkbox"/> Copies of IDS Citations
12. <input type="checkbox"/> Preliminary Amendment	
13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
15. <input type="checkbox"/> Certified Coy of Priority Document(s) (if foreign priority is claimed)	
16. <input type="checkbox"/> Other:	

17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:  
☒ Continuation ☐ Divisional ☐ Continuation-in-part(CIP) of prior application No: 60 / 055,861  
Prior application Information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

**18. CORRESPONDENCE ADDRESS**

Correspondence address below

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	Smith International, Inc.				
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Name (Print/Type)	Wesley T. Noah			Registration No. (Attorney/Agent)	35,627
Signature	<i>Wesley T. Noah</i>			Date	6/25/98

Attorney's Docket No.: 97-ST37

PATENT

Box Patent Application  
Assistant Commissioner for Patents  
Washington, DC 20231

### NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):

John Adam Meyers, Carl W. Keith and Huy D. Bui

**WARNING:** *Patent must be applied for in the name(s) of all the actual inventor(s). 37 CFR 1.41(a) and 1.53(b).*

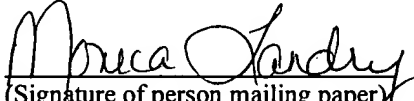
For (title): **DRILL BIT WITH LARGE CUTTING ELEMENTS**

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#### CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date **June 25, 1998** in a envelope as "Express Mail Post Office Addressee" Mailing Label Number **EE591286984US** addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

Monica L. Landry

  
(Signature of person mailing paper)

**NOTE:** *Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon prior to mailing. 35 CFR 1.10(b).*

**WARNING:** *Certificate of mailing (first class) or facsimile transmission procedures of 37 CFR 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.*

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL**

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

**TOTAL AMOUNT OF PAYMENT**(\$)1820.00**Complete if Known**

Application Number

Filing Date

First Named Inventor

John Adam Meyers

Examiner Name

Group / Art Unit

Attorney Docket No.

97-ST37**METHOD OF PAYMENT (check one)**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number  
Deposit  
Account  
Name19-2745Smith International☐ Charge Any Additional  
Fee Required Under  
37 C.F.R. §§ 1.16 and 1.17☒ Charge the Issue Fee Set in  
37 C.F.R. § 1.18 at the Mailing  
of the Notice of Allowance

- 2.
- ☒
- Payment Enclosed:

☐ Check ☐ Money  
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	790	201	395	Utility filing fee	<u>790</u>
106	330	206	165	Design filing fee	
107	540	207	270	Plant filing fee	
108	790	208	395	Reissue filing fee	
114	150	214	75	Provisional filing fee	

**SUBTOTAL (1)** (\$)790**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
<u>65</u>	<u>45</u>	<u>22</u>	<u>990</u>
<u>3</u>	<u>0</u>	<u>82</u>	<u>0</u>
Multiple Dependent			

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	82	209	41	** Reissue independent claims over original patent
110	22	210	11	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$)1780**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	950	217	475	Extension for reply within third month	
118	1,510	218	755	Extension for reply within fourth month	
128	2,060	228	1,030	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,320	241	660	Petition to revive - unintentional	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	<u>40</u>
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$)40**SUBMITTED BY**Typed or  
Printed NameWesley T Noah

Signature

Wesley T. Noah

Date

**Complete (if applicable)**

Reg. Number

35,627Deposit Account  
User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.